

**elMetal**  
LABELLING AND SIGNAGE

# MACHINE & EQUIPMENT MARKING



Nameplates / information plates.....	4
Control panel overlays .....	6
Polyester plates.....	8
Polycarbonate plates.....	10
Aluminium plates .....	12
Brass plates .....	14
Stainless steel plates.....	16



## Elmetal – clear and durable identification for production, warehouses and maintenance

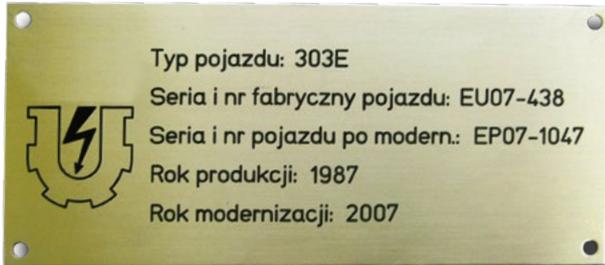
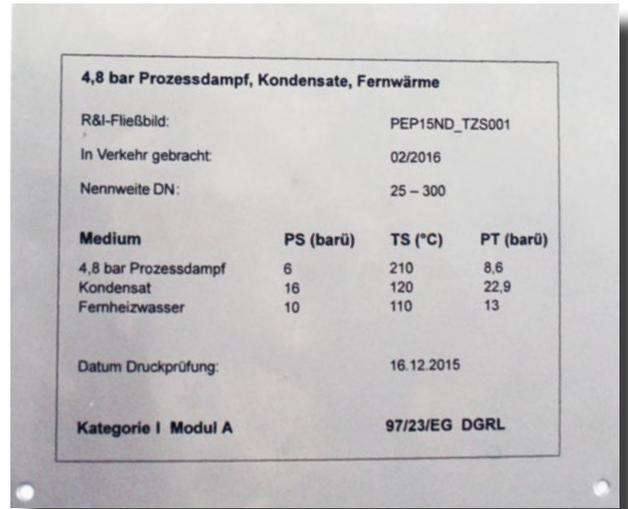
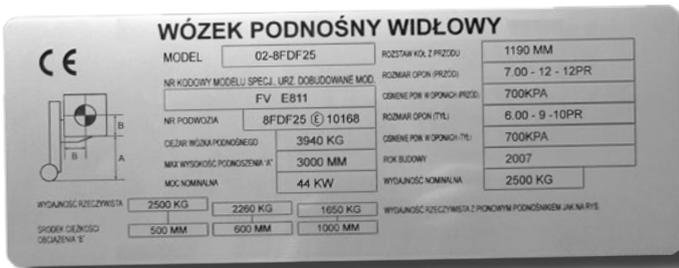
Machine and equipment marking is not only a formal requirement, but above all a tool for safety, traceability and efficient operation.

Clear plates and panels shorten the reaction time of maintenance teams, reduce operating errors, make inspections and audits easier and, at the same time, create a consistent information system within the plant.

The key factors are durability (resistance to UV, abrasion and chemicals), contrast and scale (legibility from typical viewing distances) as well as a consistent code/marketing system.

At Elmetal we design and deliver complete solutions: etched / engraved plates (ID and rating plates) and aluminium, polycarbonate and PVC panels/fronets for control desks and button legends.

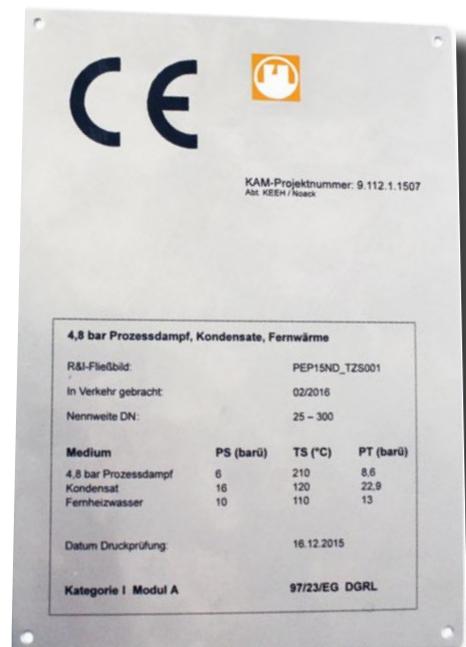
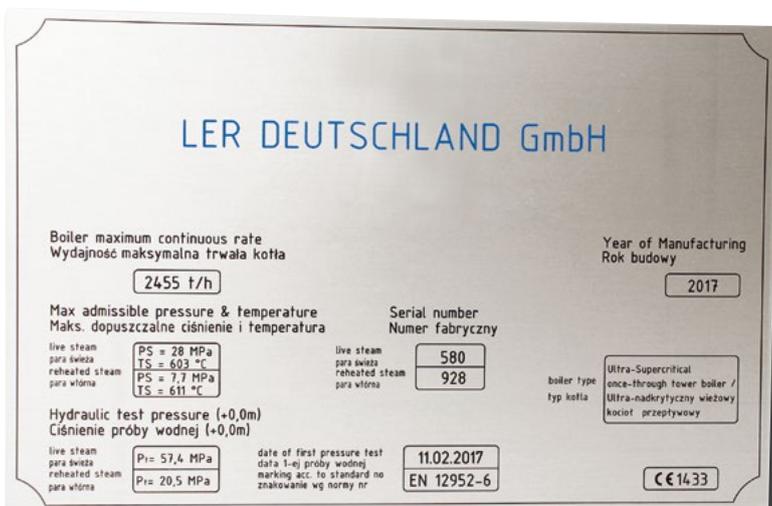
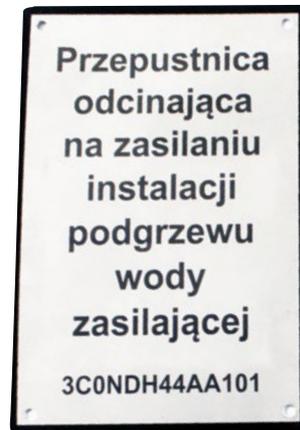
We combine the right material and technology (etching, laser engraving, UV/screen printing) with appropriate mounting options (screws/rivets/VHB tapes) and, on request, we integrate QR/UID codes for CMMS / ERP. Thanks to this, the markings remain legible for many years and support compliance with health and safety best practices and quality requirements.



# NAMEPLATES & IDENTIFICATION PLATES

We manufacture durable, clear identification and rating plates that retain their properties even in demanding conditions (UV, chemicals, abrasion).

Etching (including deep etching) and laser engraving make it possible to obtain deep, highly resistant markings with the option of serial marking with SN/QR/UID.



## NAMEPLATES – ASK US FOR THE DESIGN YOU NEED

**ELMETAL**  
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Model	OP1000
Serial no.	710434
Rated capacity [kg]	1000
Weight w/o battery [kg]	2840
Battery weight	max [kg] 740
	min [kg] 690
Battery voltage [V]	4.8

**ELMETAL**  
LABELLING AND SIGNAGE  
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### Key applications

- Identification plates (ID plates) – serial number, QR/UID, barcodes, machine / assembly identification.
- Rating plates – electrical / mechanical parameters, IP rating, year of manufacture, manufacturer, warning pictograms.

STAINLESS STEEL



BRASS



ALUMINIUM



ALUCER



PVC / POLYCARBONATE / POLYESTER



MECHANICAL OR LASER ENGRAVING, OR PRINTING



EMBOSSING / STAMPING



COLOURING



COLOUR OVERPRINT



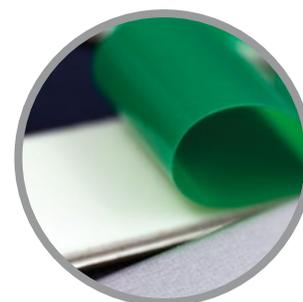
ETCHING



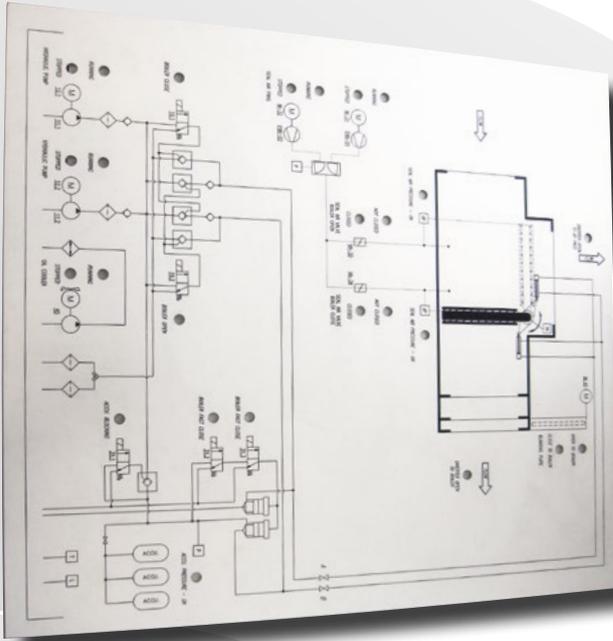
ROUNDED EDGES



CUSTOM SHAPES AND HOLES



SELF-ADHESIVE BACKING



# CONTROL PANEL OVERLAYS

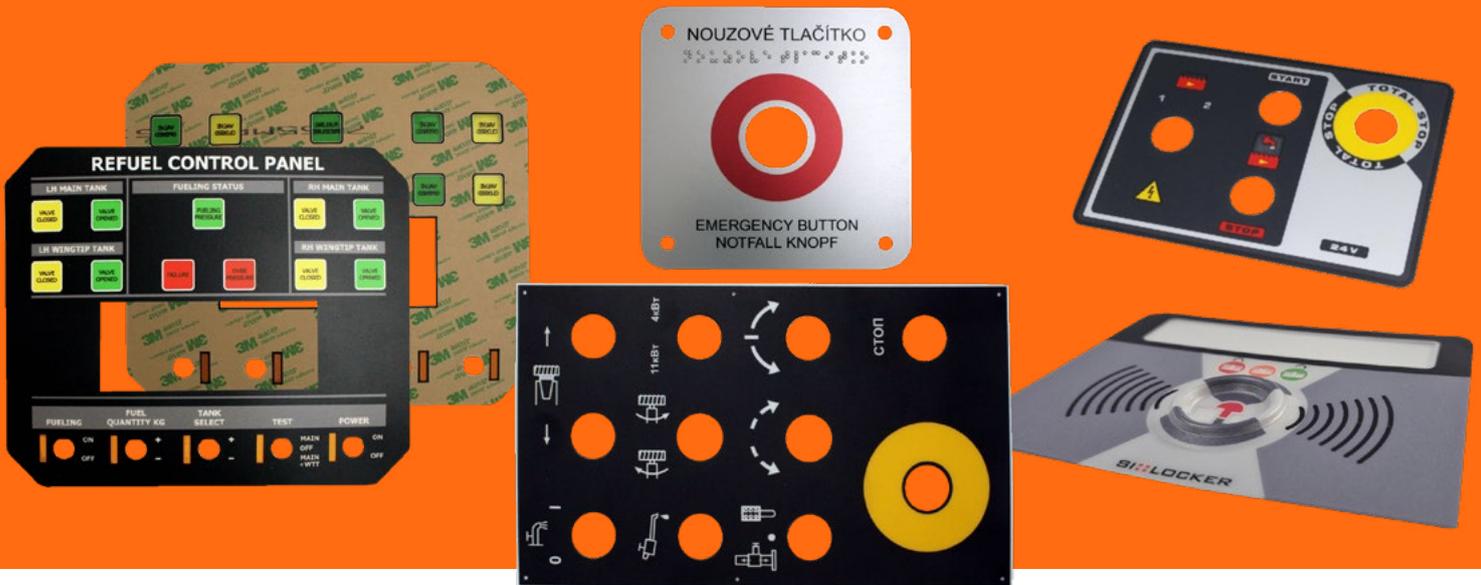
We design and manufacture aluminium, polyester and polycarbonate panels – from HMI fronts, through panels with hole layouts for components, to button legend plates.

UV / screen printing under the surface and protective layers ensure high durability, while mounting tolerances make servicing easier.

## Consistent identification

We standardise names and codes, connect ID plates with QR/UID for CMMS/ERP systems, and prepare production files and proofs. We can also adapt formats to existing holes / spacings and manufacture single replacement pieces when needed.

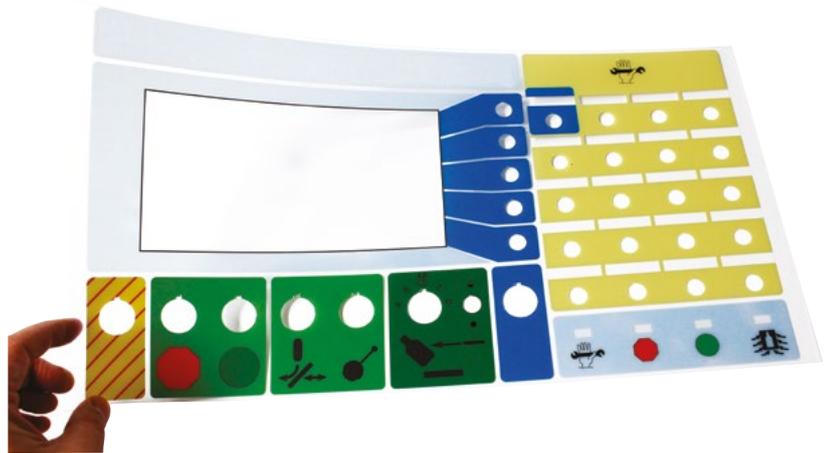




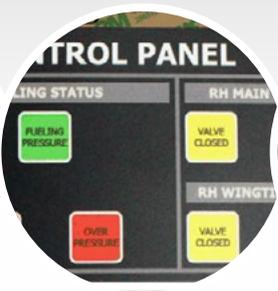
## ASK ABOUT PRODUCT

### Key applications:

- HMI fronts and front plates for control cabinets.
- Panels for pushbuttons and indicator lights (hole layout according to datasheets)
- Legend plates / button labels – single plates or combined panels.



MECHANICAL OR LASER ENGRAVING



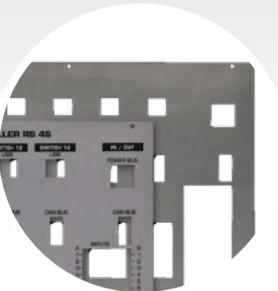
PRINTING



COLOURING



FORMING / EMBOSSING



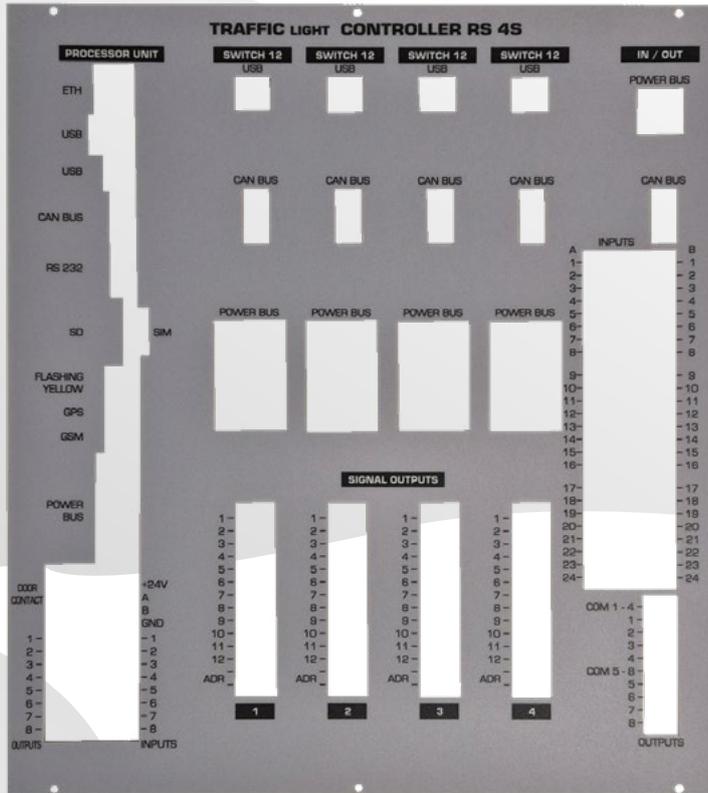
CUTTING OF SHAPES AND HOLES

## MOST COMMON MATERIALS

Anodised aluminium – gloss / matt

Polyester and polycarbonate

Stainless steel



## POLYESTER PLATES

Polyester plates are resistant to UV radiation as well as mechanical and chemical damage. The print is protected by the film itself, which ensures a long service life of the plate.

They are the most suitable option for plates with perforation requirements (e.g. holes for pushbuttons).

As standard we offer precise shape cutting, perforation, varnishing of transparent display windows and accurate application of a durable self-adhesive layer with cut-outs for pushbuttons, displays and LED windows.

### ADVANTAGES OF POLYESTER

- Resistance to UV radiation
- Waterproof and chemical-resistant
- High mechanical resistance

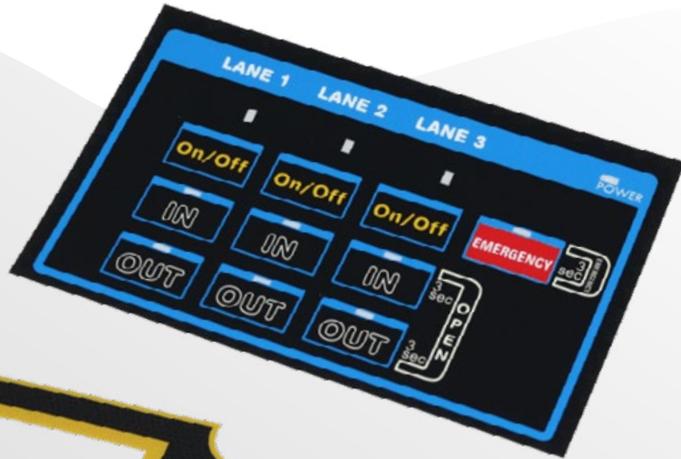
### RECOMMENDED APPLICATIONS FOR POLYESTER PLATES

- Industrial machinery
- Electronic devices
- Healthcare sector
- Aviation
- Logistics and warehousing

### CUSTOMISATION OPTIONS FOR POLYESTER PLATES

- Printing – screen printing, digital UV printing
- Partial varnishing of transparent display windows
- Cutting to any shape
- Perforation in any shape for pushbuttons
- Application: self-adhesive version with the option to omit the adhesive layer in areas for pushbuttons, display and backlighting
- Personalisation options, including barcodes and QR codes

**ASK ABOUT  
PRODUCT**



## POLYCARBONATE PLATES

Polycarbonate plates are resistant to UV radiation as well as mechanical and chemical damage.

The print is protected by the film itself, which ensures a long service life of the plate.

### STANDARD OPTIONS

- Precise shape cutting
- Embossing (raised areas)
- Varnishing of transparent display windows
- Accurate application of a self-adhesive layer with cut-outs for pushbuttons, displays and LED windows

### ADVANTAGES OF POLYCARBONATE

- Resistance to UV radiation
- Waterproof and chemical-resistant
- High mechanical resistance

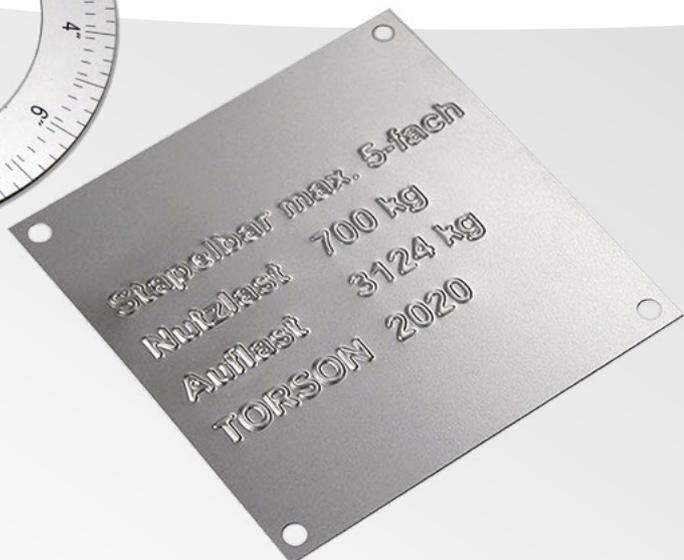
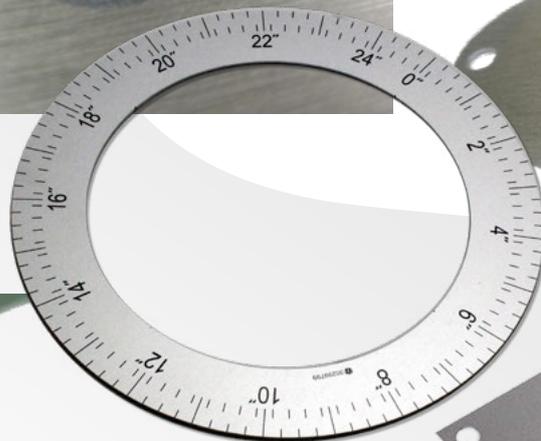
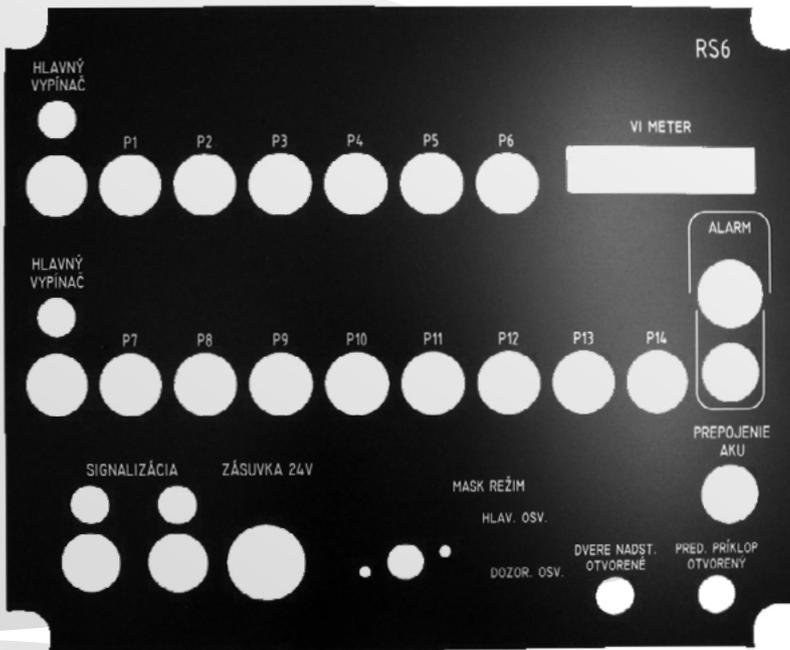
### RECOMMENDED APPLICATIONS

- Industrial machinery
- Electronic devices
- Healthcare sector
- Aviation
- Logistics and warehousing

### CUSTOMISATION OPTIONS

- Printing – screen printing, digital UV printing
- Varnishing of transparent display windows
- Cutting to any shape
- Embossing (raised areas) of any shape for pushbuttons
- Application: self-adhesive version with the option to omit the adhesive layer in areas for pushbuttons, display and backlighting
- Personalisation options, including barcodes and QR codes

**ASK ABOUT  
PRODUCT**



# ALUMINIUM PLATES

Thanks to its properties, aluminium is the most popular material for durable industrial plates, information plates and instrument panels.



## ADVANTAGES OF ALUMINIUM

- Corrosion resistance (waterproof, chemical-resistant)
- Mechanical strength (high resistance to damage and deformation)
- Temperature resistance

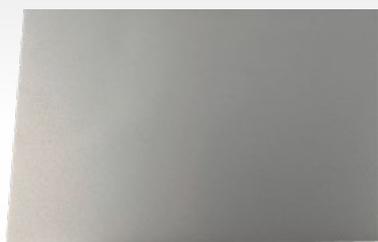
## RECOMMENDED APPLICATIONS

- Industrial machinery
- Safety signage (warnings in hazardous areas)
- Automotive industry (identification plates for components)
- Aviation
- Power industry

## CUSTOMISATION OPTIONS FOR ALUMINIUM PLATES

- Marking technologies: screen printing, digital UV printing, etching, embossing, engraving, laser marking
- Cutting to any size and shape
- Application: self-adhesive version or mounting holes
- Personalisation options, including barcodes and QR codes

## SURFACE FINISH OPTIONS



**Brushed aluminium** – distinct metal structure, protected with varnish against oxidation. Visually similar to shiny or polished stainless steel.



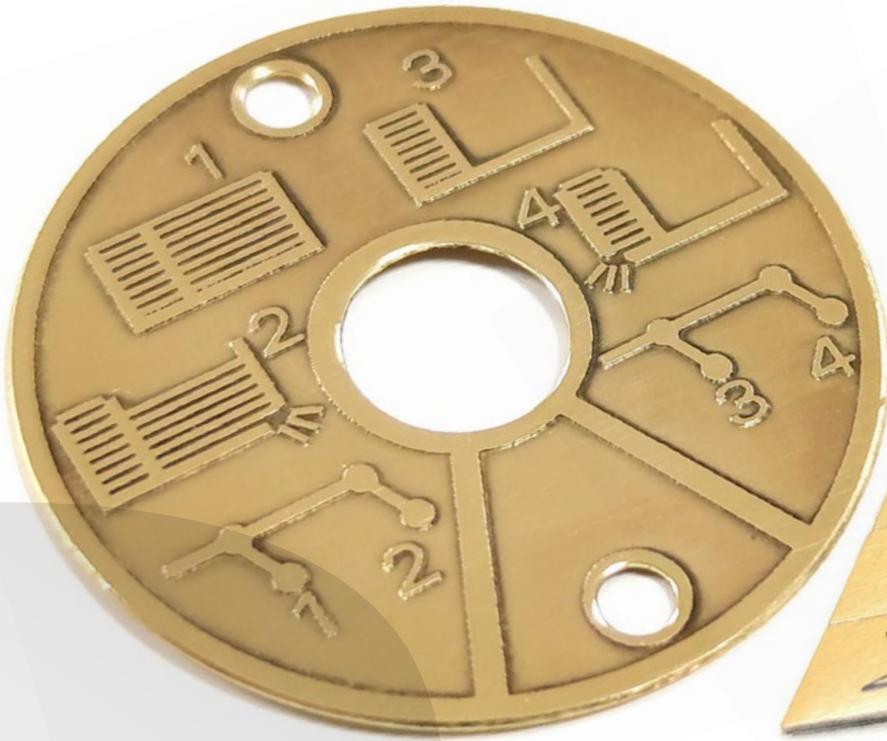
**Anodised aluminium** – provides protective function against oxidation. Perfect for etching; etched areas can later be coloured.



**Coloured anodised or lacquered aluminium** – a good option for warning plates and plates on white backgrounds.

ASK ABOUT  
PRODUCT





## BRASS PLATES

Premium brass plates are an excellent choice wherever prestige and quality matter.

Their golden appearance gives interiors and spaces with brass signage an elegant touch.

### ADVANTAGES OF BRASS

- Aesthetics – the golden surface gives products and spaces an elegant, professional look
- Mechanical strength – high resistance to damage and deformation
- Thermal resistance – ability to withstand extreme temperatures
- Easy maintenance

### RECOMMENDED APPLICATIONS FOR BRASS PLATES

- Decorative elements indoors and outdoors, e.g. on doors
- Product identification where you want the brand to stand out
- Commemorative plates – anniversaries, awards, special occasions
- Industrial machinery

### PERSONALISATION / CUSTOMISATION OPTIONS

- Printing: screen printing, digital UV printing, etching, engraving, laser marking
- Cutting – any size and shape
- Application: self-adhesive version or mounting holes
- Personalisation options, including barcodes and QR codes
- Surface finish variants
- We recommend applying a strong layer of special varnish – it increases durability and gives the plate better visual depth and plasticity.

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PRODUCT**



# STAINLESS STEEL PLATES

Stal nierdzewna to materiał idealny do wymagających warunków pracy oraz zastosowań zewnętrznych ze względu na wysoką odporność na korozję, czynniki atmosferyczne i ekstremalne warunki.

## ADVANTAGES OF STAINLESS STEEL

- Corrosion resistance (waterproof, chemical-resistant)
- Mechanical strength (high resistance to damage and deformation)
- Temperature resistance (ability to withstand extreme temperatures)
- Easy maintenance
- Variety of surface finishes

## RECOMMENDED APPLICATIONS

- Industrial machinery
- Construction (building signage, safety instructions and information)
- Food industry (equipment and product labelling where hygienic resistance is required)
- Automotive industry (identification and marking of components and vehicles)

## CUSTOMISATION OPTIONS

- Marking technologies: screen printing, digital UV printing, etching, laser marking
- Cutting – any size and shape
- Application: self-adhesive version or mounting holes
- Personalisation options, including barcodes and QR codes

## SURFACE FINISH OPTIONS

- Mirror-finish stainless steel – ideal for etching and laser marking of data
- Brushed stainless steel
- Ground stainless steel
- Coloured stainless steel (typically used as a base sheet)

**ASK ABOUT  
PRODUCT**



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